

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for optimizing performance of at least one operation performed by an apparatus, comprising:
 - interrogating one part of a plurality of parts being ~~connectively contained~~ coupled to a power supply within the apparatus, each of said parts including a respective information component comprising memory and a processor;
 - receiving, from the information component of the interrogated, information about the one part transmitted from the information component of the one part;
 - determining if any other of the plurality of parts need to be interrogated;
 - interrogating each of the determined other parts to receive information about each of the other parts from the respective information components of the other parts;
 - determining instructions for optimizing the at least one operation of the apparatus based on the received information; and
 - transmitting the instructions to the information component of at least one interrogated part for execution by the processor to optimize the at least one operation.
2. (Previously Presented) The method as set forth in claim 1 further comprising identifying the at least one operation being optimized.

Claims 3 and 4 (Canceled)

5. (Previously Presented) The method as set forth in claim 1 wherein the information received from at least one of the interrogated parts comprises at least one functional parameter of the at least one part.
6. (Previously Presented) The method as set forth in claim 1 wherein the information received from at least one of the interrogated parts comprises at least one algorithm of the part.

7. (Previously Presented) The method as set forth in claim 1 wherein the determining further comprises:

- comparing, for at least one of the interrogated parts, the received information about the part against stored information to obtain a difference;
- using the difference to determine the instructions for optimizing the at least one operation.

8. (Currently Amended) A computer readable medium having stored thereon instructions for optimizing performance of an operation performed by an apparatus which, when executed by a processor, cause the processor to perform the steps of:

- interrogating one part of a plurality of parts being ~~connectively contained~~ coupled to a power supply within the apparatus, each of said parts including a respective information component comprising memory and a processor;
- receiving, from the information component of the interrogated part, information about the one part transmitted from the information component of the one part;
- determining if any other of the plurality of parts need to be interrogated;
- interrogating each of the determined other parts to receive information about each of the other parts from the respective information components of the other parts;
- determining instructions for optimizing the at least one operation of the apparatus based on the received information; and
- transmitting the instructions to the information component of at least one interrogated part for execution by the processor to optimize the at least one operation.

9. (Previously Presented) The medium as set forth in claim 8 further comprising identifying the at least one operation being optimized.

Claims 10 and 11 (Canceled)

12. (Previously Presented) The medium as set forth in claim 8 wherein the information received from at least one of the interrogated parts comprises at least one functional parameter of the part.

13. (Previously Presented) The medium as set forth in claim 8 wherein the information received from at least one of the interrogated parts comprises at least one algorithm of the part.

14. (Previously Presented) The medium as set forth in claim 8 wherein the determining further comprises:

comparing, for at least one of the interrogated parts, the received information about the part against stored information to obtain a difference;

using the difference to determine the instructions for optimizing the at least one operation.

15. (Currently Amended) An apparatus comprising;

a plurality of parts being ~~connectively contained~~ coupled to a power supply within the apparatus, each said part including a respective information component comprising memory, a processor and a transceiver, said memory having stored therein data about the at least one part;

an interrogation system that interrogates one of the parts of the apparatus for the data stored in the memory of the part;

a determination system that determines if any other of the plurality of parts are involved in the operation and need to be interrogated by the interrogation system for the data stored in their respective memories; and

an optimization processing system that receives the data, which was stored in the memory and transmitted from the transceiver of the information component of each interrogated part, determines instructions for optimizing at least one operation of apparatus based on the received data, and transmits the instructions to the transceiver of the information component of at least one interrogated part for execution by the processor of the information component.

16. (Previously Presented) The apparatus as set forth in claim 15 further comprising an identification system that identifies the at least one operation being optimized.

Claims 17 and 18 (Canceled)

19. (Previously Presented) The apparatus as set forth in claim 15 wherein the data in the information component of at least one of the interrogated parts comprises at least one functional parameter of the part.

20. (Previously Presented) The apparatus as set forth in claim 15 wherein the data in the information component of at least one of the interrogated parts comprises at least one algorithm of the part.

21. (Previously Presented) The apparatus as set forth in claim 15 wherein the optimization processing system compares the received information about at least one of the interrogated parts against stored information to obtain a difference and uses the difference to determine the instructions for optimizing the at least one operation.

Claims 22-24 (Canceled)

25. (Previously Presented) The method as set forth in claim 1, wherein receiving the information about the interrogated parts involves receiving wireless communication.

26. (Previously Presented) The medium as set forth in claim 8, wherein receiving the information about the interrogated parts involves receiving wireless communication.

27. (Previously Presented) The apparatus as set forth in claim 15, wherein the optimization processing system comprises a transceiver for receiving the data wirelessly transmitted from the interrogated parts.

28. (Previously Presented) The method as set forth in claim 1, wherein the apparatus is one of a copier and a printer.

29. (Previously Presented) The medium as set forth in claim 8, wherein the apparatus is one of a copier and a printer.

30. (Previously Presented) The apparatus as set forth in claim 15, wherein the apparatus is one of a copier and a printer.

31. (Previously Presented) The method as set forth in claim 28, wherein the received information includes characteristics of at least one of a photoreceptor, a laser diode, a bias charge roll, and a full erase light.

32. (Previously Presented) The medium as set forth in claim 29, wherein the received information includes characteristics of at least one of a photoreceptor, a laser diode, a bias charge roll, and a full erase light.

33. (Previously Presented) The apparatus as set forth in claim 30, wherein the received data includes characteristics of at least one of a photoreceptor, a laser diode, a bias charge roll, and a full erase light.